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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,034	09/25/2003	Thomas A. Wynn	22058-519 CIP DIV2	6681
30623	7590 12/12/2006		EXAMINER	
•	EVIN, COHN, FERRIS	HAMUD, FOZIA M		
AND POPEO	O, P.C. ICIAL CENTER		ART UNIT	PAPER NUMBER
BOSTON, MA 02111			1647	
	·		DATE MAILED: 12/12/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/671,034	WYNN ET AL.				
		Examiner	Art Unit				
		Fozia M. Hamud	1647				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHO WHIC - Exter after - If NO - Failur Any r	DRTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE IS IN A CONTROL OF THE MAILING DATE IS A CONTROL OF THE MAILING DATE. THE MAILING DATE IS A CONTROL OF THE MAILING DATE IS A CONTROL OF THE MAILING DATE. THE MAILING DATE IS A CONTROL OF THE MAILING DATE IS A CONTROL OF THE MAILING DATE. THE MAILING DATE IS A CONTROL OF THE MAILING DATE IS A CONTROL OF THE MAILING DATE. THE M	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tire will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status	(,)	~ ,					
2a)□ 3)□	Responsive to communication(s) filed on <u>24 O</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Dispositi	on of Claims						
5)□ 6)⊠ 7)□	Claim(s) 13,16-21,24-28 and 31-52 is/are pend 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 13,16-21,24-28 and 31-52 is/are rejected to. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	vn from consideration.					
Applicati	on Papers	• • • • • • • • • • • • • • • • • • • •					
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).				
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachmen	t(s)						
1) Notice 2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date 10/24/06.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Pate				

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DETAILED ACTION

1a. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 24 October 2006 has been entered.

Status of Claims:

1b. Claims 13, 16-21, 24-28, 31-52 are pending and under consideration.

Information Disclosure Statement

2. The information disclosure statements (IDS) submitted 24 October 2006 has been received and complies with the provisions of 37 CFR §§1.97 and 1.98. It has been placed in the application file and the information referred to therein has been considered as to the merits.

Priority:

3. Based on the information given by Applicants and an inspection of the patent applications and for prior art purposes, the current application is afforded the effective filing date of 29 November 1999, which is the filing of the parent application 09/301,808.

Should the applicant disagree with the examiner's factual determination above, it is incumbent upon the applicant to provide the serial number and specific page number(s) of any parent application filed prior to 11/29/1999, which specifically supports

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the particular claim limitation for each and every claim limitation in all the pending claims which applicant considers to have been in possession of and fully enabled for prior to 1/29/1999.

Claim rejections-35 USC § 103:

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 13, 16-21, 24-28, 31-52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chiaramonte et al (The Journal of Immunology, Vol. 162, pages 920-930, January 1999) in view of Feldmann et al, (Springer Seminars in Immunopatholgoy, Vol. 20, pages 211-228, 1998).

Instant claims 13 and 21 are drawn to a method of treating tissue fibrosis or a method of inhibiting formation of tissue fibrosis in a mammalian subject by administering an antibody to IL-13 or a fragment of said antibody and a pharmaceutically acceptable

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carrier. Dependant claims further limit the invention in terms of the type of tissue fibrosis and modes of administration.

Chiaramonte et al teach that IL-13 is an important mediator of Th2 mediated inflammation and plays a role in eliciting IgE responses by schistosome eggs and that chronic parasite egg-induced granuloma formation (fibrosis) can lead to the development of severe disease in humans, (see abstract and page 929, column 2). Chiaramonte et al also show that in-vivo blockade of IL-13, using a soluble IL-13R α2-Fc fusion protein, significantly reduced the size of pulmonary granulomas in unsensitized as well as egg-sensitized mice, (see page 921, column 2 and figure 4).

Feldmann et al review the rationale for anti-TNFα therapy in rheumatoid arthritis and discuss several anti-TNFα antibodies in clinical trials, (see abstract). Feldmann et al state that the use of anti- TNF therapies are well tolerated and that there is often rapid improvement in patients, (see page 224). Feldmann et al maitain that the benefits of the anti-TNFα therapy are widespread with reductions in all signs and symptoms, and are strikingly reproducible with a variety of biological agents. The authors suggests that the effort expended in the laboratory to understand the pathophysiology of cytokines will be amply repaid in the clinic, (see page 224, last paragraph).

It would have been obvious to one of ordinary skill in the art at the time the instant invention was made to devise the claimed method by following the combined teachings of the Chiaramonte et al and Feldmann et al references, because Chiaramonte et al teach that IL-13 plays a significant role in the pathogenesis of tissue fibrosis and that blocking IL-13 effects with the IL-13 antagonist IL-13R q2-Fc fusion

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protein significantly reduced the size of pulmonary fibrosis, while Feldmann et al teach that using antibodies to block the activity of cytokines is a feasible endeavor.

There would have been an expectation of success to antagonize IL-13 activity by using an antibody against IL-13 for the treatment of tissue fibrosis, because, Feldmann et al teach that at the time the instant invention was made, therapeutic antibodies have achieved great success, and anti-cytokine antibodies have been used successfully and Chiaramonte et al teach that IL-13 is involved in the development in tissue fibrosis and that blocking IL-13 effects significantly reduced the size of pulmonary fibrosis.

One of ordinary skill in the art would have been motivated to combine the teachings of the Chiaramonte et al and Feldmann et al references, because tissue fibrosis can lead to the development of severe disease in humans.

Conclusion:

4. No claim is allowed.

Advisory Information:

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fozia M. Hamud whose telephone number is (571) 272-0884. The examiner can normally be reached on Monday, Thursday-Friday, 6:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda G. Brumback can be reached on (571) 272-0961. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fozia Hamud
Patent Examiner
Art Unit 1647
06 December 2006

Thurs Tourfack Brenda Brumback Supervisory patent examiner Technology center 1600

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